|  | Index of Claims                     |          |          |               |                  |          |             |                     |           |              |            |               |            |                  |         |         |             |          |                |              |            |              | Reexamination |          |         |          |                       |          |              |         |          |   |   |   |
|--|-------------------------------------|----------|----------|---------------|------------------|----------|-------------|---------------------|-----------|--------------|------------|---------------|------------|------------------|---------|---------|-------------|----------|----------------|--------------|------------|--------------|---------------|----------|---------|----------|-----------------------|----------|--------------|---------|----------|---|---|---|
|  |                                     |          |          |               |                  |          |             |                     |           |              |            |               | 10/506,937 |                  |         |         |             |          |                |              |            | THOMA ET AL. |               |          |         |          |                       |          |              |         |          |   |   |   |
| -  |                                     |          |          |               |                  |          |             |                     |           |              |            |               |            | Examiner         |         |         |             |          |                |              |            | Art Unit     |               |          |         |          |                       | _        |              |         |          |   |   |   |
| I MATERIARIA ANNO ANNO ANNO ANNO ANNO ANNO ANNO AN |                                     |          |          |               |                  |          |             |                     |           |              |            |               |            | Desta L. Yebassa |         |         |             |          |                |              |            |              |               |          |         |          |                       |          |              |         | ·        |   |   |   |
|  |                                     |          | _        | Τ             |                  |          | $\neg$      | !                   | ٢         | _            |            | ·h            |            |                  |         |         |             |          |                |              |            |              |               |          |         |          |                       | $\neg$   |              |         |          |   |   |   |
|  | Rejected — (Through numer Cancelled |          |          |               |                  |          |             |                     |           |              |            |               | era        | 1)               |         | N       | Non-Elected |          |                |              | A          | Appeal       |               |          |         |          |                       |          |              |         |          |   |   |   |
|  | = Allowed                           |          |          |               |                  |          |             |                     |           | + Restricted |            |               |            |                  |         |         | 1           | •        | I Interference |              |            | 0            | Objected      |          |         |          |                       | ٠        |              |         |          |   |   |   |
|  |                                     |          | L        | Ľ             |                  |          |             |                     | L         |              | 1          |               |            |                  |         | لا لــ  |             |          |                |              |            | ļ            | Ц             |          |         |          |                       |          |              | •       |          |   |   |   |
|  | CI                                  | im       |          | P Date        |                  |          |             |                     |           |              |            | Cli           | Claim      |                  |         | Dat     |             | 9        |                |              |            | aim          |               |          |         | Date     |                       |          | <del>_</del> | 7       |          |   |   |   |
| -  | <del> </del>                        | ug .     | g        | 1             | ΙÆΙ              | .        | ı           | - [                 | - 1       |              |            | - E           | le l       |                  | -       |         | 1           |          |                |              |            | -<br>-       | nai           |          | 1       |          |                       |          |              |         |          |   |   |   |
|  | Final                               | Original | 279/08   |               | 7                |          |             | 1                   |           |              |            | Fina          | Original   |                  | ١       |         |             |          |                | l            |            | Final        | Original      |          |         |          |                       |          |              |         | 1        |   |   |   |
|  | <b> </b>                            | 1        | ┝        |               | 19               |          | $\vdash$    | $\dashv$            | ┰         | ┿            | ┨          | <del> </del>  | 51         | ┝┼               | +       | ╫       | ╁           | Н        | -+             | +            | 4 1        |              | 101           | ┝        | +       | ┿        | ₽                     | Н        | $\dashv$     |         | $\dashv$ |   |   |   |
|  |                                     | 21       |          |               | 口                |          | 口           | 士                   | 士         | 土            | 1          |               | 52         |                  | 士       | 土       |             |          |                |              | j i        |              | 102           |          | $\top$  | 1        | Н                     | Н        | 寸            | 十       | 1        |   |   |   |
|  |                                     | 13       |          |               | П                |          | $\Box$      | $\bot$              | $\bot$    | $\perp$      |            |               | 53         | $\Box$           | $\perp$ | $\bot$  |             |          | $\Box$         | $\bot$       | ]          |              | 103           | П        | I       | Ţ        |                       |          | $\Box$       | 工       | ユ        | • | ı |   |
|  |                                     | 5        | -        | -             | ⊢┤               | $\dashv$ | Н           | $\dashv$            | +         | ┿            | 4          |               | 54<br>55   | H                |         | +       | -           | Н        | 4              | +-           | -l l       |              | 104<br>105    | Н        | +       | ╀-       | $\sqcup$              | $\vdash$ | 4            | +       | 4        |   |   |   |
|  |                                     | ĕ        | 1        | Н             | H                | $\Box$   | $\vdash$    | +                   | 十         | 十            | ١,         |               | 56         | $\vdash$         | +       | ┿       | ╆           | Н        | +              | +-           | ١ŀ         |              | 106           | H        | 十       | ╁╌       | Н                     | Н        | +            | ┿       | ┨        |   |   |   |
|  |                                     | 7        |          |               |                  |          |             | 二                   | 工         | 土            | ]          |               | 57         | 口                | ユ       |         |             |          |                |              | 1          |              | 107           |          | 土       |          | $\Box$                |          | 1            | 十.      | 7        |   |   |   |
|  |                                     | 8        |          | $\Box$        | П                | $\Box$   | $\Box$      | $\rightrightarrows$ | ightarrow | $\bot$       | ]          |               | 58         | $\Box$           | $\Box$  | $\bot$  |             | П        | $\Box$         | Ţ            | ]          |              | 108           |          | 1       | L        |                       |          | I            | 1       | ]        |   |   |   |
|  |                                     | 15       | _        | -             | Н                |          | $\dashv$    | +                   | +         | +            | 4          |               | 59<br>60   |                  | +       | +-      | ₽           | Н        | -              | +            | 4          | ·            | 109           |          | +       | ╄        | ┦                     | Н        | 4            | 4       | 4        |   |   |   |
|  |                                     | 1        | -        | Н             | Н                | $\dashv$ | $\dashv$    | +                   | +         | +-           | - 1        |               | 61         | $\dashv$         | +       | ┿       | 1           | Н        | $\dashv$       | ╁            | ┨╏         | _            | 110           | ⊣        | +       | ┿        | <del>├</del> ┤        | Н        | ┿            | +-      | ┨        |   |   |   |
|  |                                     | 12       |          |               |                  |          | $\dashv$    | 7                   | $\perp$   | 十            | 1 1        |               | 62         |                  | +       | +       |             | _        | _              | +            | 1 1        | _            | 112           | H        | +       | ╈        | Н                     | H        | +            | +       | 1        |   |   |   |
|  |                                     | 13       |          |               |                  | $\Box$   | $\sqsupset$ | $\sqsupset$         | I         | I            | ]          |               | 63         |                  |         |         |             |          |                |              | ] [        |              | 113           |          |         |          |                       |          | 工            | 工       | ]        |   |   |   |
|  |                                     | 1        | Н        | Щ             | $\vdash$         |          | $\dashv$    | 4                   | 4         | 4            | 4 ]        |               | 64         | $\dashv$         | 4       | 1       | Н           |          | 4              |              | ]          |              | 114           |          | $\perp$ | L        | П                     |          | $\Box$       | $\bot$  | ่ .      |   |   |   |
|  |                                     | 15<br>16 | Н        | Н             | Н                | $\dashv$ | -+          | $\dashv$            | ᅪ         | ┿            | - 1        | <b> </b>      | 65<br>66   | -                | ┿       | ┿       | ₽           |          |                | ╁            | - 1        |              | 115           | ⊢∤       | ┿       | ╀        | ╂╌┤                   | Н        | +            |         | 4        |   |   |   |
| i  |                                     | 1        | М        |               | Н                | 7        | $\top$      | 十                   | 十         | +            | 1          | $\vdash$      | 67         | 十                | +       | ┿       | H           |          | $\dashv$       | +            | 1          |              | 117           | 1        | ┿       | ╁╌       | ┝┥                    |          | ╅            | ┿       | 4        |   |   |   |
|  |                                     | 18       |          |               |                  | $\Box$   | 二           |                     | ユ         | 工            | 1          |               | 68         | 二                | 土       | 工       |             |          | $\perp$        |              | ] [        |              | 118           | ◨        | 1       |          | $\Box$                |          | $\top$       | 十.      | 1        |   |   |   |
|  |                                     | 19       |          |               | Ш                | _        | $\dashv$    | $\dashv$            | $\bot$    | $\bot$       | ]          |               | 69         | $\perp$          | $\perp$ | $\perp$ | П           |          | $\Box$         | 1            | ] [        |              | 119           |          | I       | 匚        | 口                     |          | I            | I       | ]        |   |   |   |
|  |                                     | 20<br>21 |          | 7             | <del>     </del> |          | $\dashv$    | +                   | +         | ┿            | - 1        | <del>  </del> | 70<br>71   | +                | ╬       | +-      | H           | $\dashv$ | +              | ╇            | -          |              | 120<br>121    | -        | +       | ╀        | H                     | $\dashv$ | +            |         | 4        |   |   | • |
| ł  |                                     | 22       |          | X             | 1                | 7        | +           | 十                   | +         | ┿            | 1          |               | 72         | +                | ╅       | +-      | ╁┤          | $\dashv$ | ┿              | ╅╌           | ┪┟         |              | 122           | -        | ╁       | ╀        | ⊢┤                    |          | +            | +       | ┨        |   |   |   |
| (  | -                                   | 숅        | Ħ        | 4             | Ň                | 丁        | $\perp$     | 士                   | $\perp$   | $\top$       | 1 1        |               | 73         | $\top$           | $\perp$ | $\top$  |             |          | _              | 1            | 1 1        |              | 123           |          | $\top$  |          | Н                     |          | +            | +-      | 1        |   |   |   |
| (  |                                     | 24       | Ш        | V             | Y                | $\Box$   | $\Box$      | $\Box$              | $\Box$    | I            | ] [        |               | 74         | $\Box$           | $\perp$ |         |             | $\Box$   | $\Box$         | I            | ] [        |              | 124           |          |         |          |                       |          | コ            | 工       | ]        |   |   |   |
|  |                                     | 25       | Ш        | 4             | Ш                | 4        | +           | 4                   | _         | +            | <b>↓</b>   |               | 75         | -                | 4       | ╂~      | Ы           | _        | -              | 1            | <b>↓</b> ↓ |              | 125           | 4        | 4       |          | П                     | $\Box$   | 工            | 工       | ]        |   |   | • |
|  | _                                   | 26<br>27 | Н        | -11           | Н                | ᅪ        | $\dashv$    | +                   | ┿         | +            | -l         | <b></b> -     | 76<br>77   | +                | ┿       | +       | Н           |          | -              | +            | ┨          |              | 126<br>127    | -        | +       | $\vdash$ | ⊢┤                    | -        | +            | -       | 4        |   |   |   |
| i  |                                     | 28       | Н        | H             | H                | 7        | $\dashv$    | 十                   | 十         | 十            | 1          |               | 78         | 十                | +       | ╈       | Н           | ┪        | ╅              | +-           | 1 1        |              | 128           | $\dashv$ | ╁       | ╁╌       | H                     | $\dashv$ | ┰            | ┿       | ┥        |   |   |   |
| l  |                                     | 29       |          | $\mathcal{I}$ | 口                | 二        | 工           | ユ                   | 工         | 工            | 1 [        |               | 79         | ユ                | 士       | 工       |             |          | 工              | 工            | 1 [        |              | 129           |          |         |          | П                     |          | 十            | +       | 1        |   |   |   |
| ·  |                                     | 30       | Ш        | צו            | V                | 4        | 4           | 4                   | 4         |              | 4          |               | 80         | 4                | 4       | $\perp$ |             | _        | $\perp$        | L            | ] [        |              | 130           |          | L       |          | $\Box$                | $\Box$   | $\Box$       | I       | ]        |   |   |   |
| ŀ  |                                     | 732      | Ħ        | V             | ┢                | $\dashv$ | +           |                     | +-        | ┿            | ┨╏         |               | 81<br>82   | +                |         | +-      | Н           | $\dashv$ | +              | +-           | ┨ }        | _            | 131           | -        | +       |          | Н                     | -        | 4            | 4       | 4        |   |   |   |
| ŀ  |                                     | 33       | Н        | +             | Ť                | $\dashv$ | +           | ┰┼                  | +         | ╁            | 1 }        |               | 83         | +                | +-      | ╁       | Н           | -        | +              | ╬            | ┨╏         |              | 133           | -        | +-      | ╂╌       | $\vdash$              | -+       | +            | ┿       | 4        |   |   |   |
| 1  |                                     | 34       |          | Ħ             |                  |          | 1           |                     | $\top$    | $\pm$        | 1          |               | 84         | _                | +       | 十       | Н           | _        | ┱              | +-           | 1 I        |              | 134           |          | +-      |          | H                     | $\dashv$ | +            | +       | ┥.       |   |   |   |
|  |                                     | 35       | П        | 77            |                  | $\Box$   | $\Box$      | $\Box$              | $\perp$   | I            | ] [        |               | 85         | $\sqsupset$      | $\perp$ | $\perp$ |             |          |                | $oxed{\Box}$ | ] [        |              | 135           |          | 1       |          |                       |          | 工            | 工       | 1        |   |   |   |
| .  |                                     | 36       | 44       | Ωļ            | ¥                | -        | -           | +                   | +         | +            | 4 }        |               | 86         | -                | 4-      | +-      | H           |          | -              | 4            | 4          |              | 138           | -        | 1       | $\perp$  |                       | _        | 4            | $\perp$ | ]        |   |   |   |
| 1  |                                     | 37<br>38 |          | ⇥             | $\dashv$         | ┰        | -+          | +                   | +         | ┿            | ┨ <b>╏</b> |               | 87<br>88   | +                | ╁       | ╫       | ╌           | $\dashv$ | ┵              | ┽~           | ┨╏         |              | 137<br>138    | -        | ╬       | ╌        | ┝╌┧                   | -        | +            | +       | 4        |   |   |   |
| ŀ  |                                     | 39       | $\vdash$ | ┪             | $\sqcap$         | $\dashv$ | $\dashv$    | +                   | +         | +            | 1 1        |               | 89         | 十                | +       | 十       | Н           | ┪        | 十              | ╁            | 1 1        |              | 139           | -        | +       | $\vdash$ | H                     | -        | +            | ╁       | 4        |   |   |   |
|  |                                     | 40       |          | $\Box$        | $\Box$           | $\Box$   | コ           | 工                   | 工         | I            | ] [        |               | 90         | 工                |         |         | $\Box$      |          |                |              | ] [        |              | 140           |          | 土       |          |                       |          | 士            | $\perp$ | 1        |   |   |   |
|  |                                     | 41       |          | 4             | -1               | 4        | +           | 4                   | +         | +-           | 4          |               | 91         | -                | +       | +       | $\sqcup$    | 4        | 4              | 1            | <b>↓</b> [ | ]            | 141           | $\bot$   | 1       | $\prod$  | $\boldsymbol{\sqcup}$ | $\dashv$ | Ţ            | 工       | 4        |   | • |   |
| ŀ  |                                     | 42       | -        | ᅱ             | -+               | $\dashv$ | +           | +                   | +         | +-           | ┪╏         |               | 92<br>93   | +                | +-      | ╁       | ╁┤          | ᅱ        | +              | +-           | ┨ ┞        |              | 142           | +        | ┰       | $\vdash$ | ⊢┤                    | -+       | +            | +-      | 4        |   |   |   |
| ł  |                                     | 44       |          | ╛             | $\dashv$         |          | 十           |                     | _         | +            | 1 }        |               | 94         | _                | +       | +       | ╅           | ┪        | 十              | +-           | 1          | _            | 144           | +        | +       | $\vdash$ | $\vdash$              | +        | 十            | +       | 1        |   |   |   |
| Ţ  |                                     | 45       | $\Box$   | $\Box$        | 二                | 二        | 工           | ユ                   | 工         | I            | ] [        |               | 95         | コ                | I       | I       |             |          | $\Box$         |              | ] [        |              | 145           |          |         |          |                       |          | 士            | I       | 1        |   |   |   |
|  |                                     | 46       | -        | 4             |                  | $\dashv$ |             | 4                   | +         | +            | ┨          |               | 96         | +                | +       | +       | ┰           | 4        | -              | +            | 1 [        |              | 146           | -1       | $\perp$ |          | П                     | -I       | 1            | T       | 1        |   |   |   |
| }  |                                     | 47       | -        | ┥             | -+               | +        | +           | +                   | ╁         | ╁            | ┪╏         |               | 97<br>98   | +                | +       | +-      | ┝┤          | +        | -              | +            | ┨ }        |              | 147           | +        | +       | 1        | ┝╌┥                   | -+       | +            | +       | 4        |   |   |   |
| ŀ  |                                     | 49       |          | 7             | $\dashv$         | _        | _           | 十                   | 十         | 十            | 1 ł        |               | 99         | +                | 十       | +       | H           | 7        | +              | +            | 1          | -            | 149           | +        | +-      | ╁┤       | <del>  </del>         | -+       | +            | +-      | 1        |   |   |   |
|  |                                     |          | _        | _             | -                | -        | <del></del> | -                   | _         | _            | ~ }        |               |            | $\overline{}$    |         |         |             |          | ~              |              | 4 h        | _            |               |          |         | •        |                       |          |              |         | _        |   |   |   |

Application/Control No.

Applicant(s)/Patent under